CLAIMS

- 1. A method for assessing a cancerous state of a mammal-derived specimen, which comprises:
- (1) a first step of measuring a methylation frequency of Fibrillin2 gene contained in a mammal-derived specimen or an index value having the correlation therewith, and
- (2) a second step of determining a cancerous state of the specimen based on a difference obtained by comparing the measured methylation frequency or the index value having the correlation therewith, with a control.
- 2. The assessing method according to claim 1, wherein the mammal-derived specimen is cells.
- 3. The assessing method according to claim 1, wherein the mammal-derived specimen is a tissue.
 - 4. A method for assessing a cancerous state of a mammal-derived specimen, which comprises:
 - (1) a first step of measuring a methylation frequency of Fibrillin2 gene contained in the mammal-derived specimen, and
 - (2) a second step of determining a cancerous state of the specimen based on a difference obtained by comparing the measured mathylation frequency with a control.

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- 5. The assessing method according to claim 1, wherein the mammal-derived specimen is cells, and the cancerous state of the specimen is a malignancy of mammal-derived cells.
- 6. The assessing method according to claim 4, wherein the mammal-derived specimen is cells, and the cancerous state of the specimen is a malignancy of a mammal-derived cell.
- 7. The assessing method according to claim 1, wherein the
 mammal-derived specimen is a tissue, and the cancerous state
 of the specimen is an amount of cancer cells existing in a
 mammal-derived tissue.
 - 8. The assessing method according to claim 4, wherein the mammal-derived specimen is a tissue, and the cancerous state of the specimen is an amount of cancer cells existing in a mammal-derived tissue.

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- 9. The assessing method according to claim 8, wherein the tilsue is a pancreatic tissue, and the cancer is pancreatic cancer.
 - 10. The assessing method according to claim 1 or 4, wherein the methylation frequency of a gene is a methylation frequency of cytosine in one or more nucleotide sequence(s) represented

by 5'-CG-3' present in a nucleotide sequence of a promoter region, an untranslated region or a translated region of the gene.

- 11. The assessing method according to claim 12, wherein the tissue is a pancreatic tissue, and the cancer is pancreatic cancer.
 - 12. The assessing method according to claim 1 or 4, wherein the methylation frequency of a gene is a methylation frequency of cytosine in one or more nucleotide sequence(s) represented by 5'-CG-3' present in a nucleotide sequence of a promoter region in the gene.
 - 13. The assessing method according to claim 1 or 4, wherein the methylation frequency of a gene is a methylation frequency of cytosine in one or more nucleotide sequence(s) represented by 5'-CG-3' present in a nucleotide sequence of an untranslated region or a translated region of the gene.
- 14. The assessing method according to claim 1, wherein the methylation frequency of a gene is a methylation frequency of cytosine in one or more nucleotide sequence(s) represented by 5'-CG-3' present in the nucleotide sequence represented by SEQ ID No: 1.

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- 15. The assessing method according to claim 16, wherein the tissue is a pancreatic tissue, and the cancer is pancreatic cancer.
- 16. A method for assessing a cancerous state of a mammal derived specimen, which comprises:

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- (1) a first step of measuring an index value having the correlation with a methylation frequency of Fibrillin2 gene contained in the mammal-derived specimen, and
- (2) a second step of determining a cancerous state of the specimen based on a difference obtained by comparing the index value having the correlation with the measured methylation frequency with a control.
- 17. The assessing method according to claim 16, wherein the index value having the correlation with a methylation frequency of Fibrillin2 gene is an amount of an expression product of the Fibrillin2 gene.
- 20 18. The assessing method according to claim 17, wherein the amount of an expression product of Fibrillin2 gene is an amount of a transcription product of the gene.
- 19. The assessing method according to claim 17, wherein
 25 the amount of an expression product of Fibrillin2 gene is an

amount of a translation product of the gene.

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- 20. A method for searching a substance having the ability of promoting the expression of Fibrillin2 gene, which comprises:
- (1) a first step of bringing a test substance into contact with a cancer cell,
- (2) a second step of measuring an amount of an expression product of Fibrillin2 gene contained in the cancer cell after the first step (1), and
- 10 (3) a third step of determining the ability of the test substance to promote the expression of Fibrillin2 gene possessed by, based on a difference obtained by comparing the measured amount of an expression product with a control.
- 21. The searching method according to claim 20, wherein the cancer cell is pancreatic cancer cell.
 - 22. An anti-cancer agent, which comprises a substance having the ability found by the searching method of claim 20 as an active ingredient, wherein the active ingredient is formulated into a pharmaceutically acceptable carrier.
 - 23. an anti-cancer agent, which comprises a nucleic acid comprising a nucleotide sequence encoding an amino acid sequence of Fibrillin2 as an active ingredient, wherein the active

ingredient is formulated into a pharmaceutically acceptable carrier.

24. Use of methylated Fibrillin2 gene as a cancer marker.

- 25. The use according to claim 24, wherein the cancer marker is a pancreatic cancer marker.
- 26. A method for inhibiting canceration, which comprises

 10 a step of administering a substance which reduces a methylation
 frequency of Fibrillin2 gene, to cells in a body of a mammal
 which can be diagnosed as a cancer.
- 27. The canceration inhibiting method according to claim
 26, wherein the cancer is pancreatic cancer.